

Exercise 1 A salesperson is paid \$200 per week plus 5% commission on her weekly sales of x dollars.

(a) A linear function that represents her total weekly pay, W (in dollars) in terms of x is $W(x) = \boxed{.05x + 200}$.

(b) In order for her to earn \$475 for the week, her weekly sales must be \$ $\boxed{5500}$.
